

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**HARVEST PIPELINE COMPANY**  
**SOUTHWEST PASS 24 PIPELINE STATION**  
**PROPOSED MINOR (SYNTHETIC) AIR OPERATING PERMIT MODIFICATION**

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed minor (synthetic) air operating permit modification for Harvest Pipeline Company, PO Box 61229, Houston, TX 77208-1229, for the Southwest Pass 24 Pipeline Station. The facility is located on the East side of Southwest Pass, approximately 18 miles South of Venice, Plaquemine Parish.

Harvest Pipeline Company requested a minor (synthetic) air permit modification. The facility is an existing pipeline and crude oil pump station.

Southwest Pass 24 Pipeline Station is currently authorized to operate under 40 CFR Part 70 air operating Permit No. 2240-00171-V3. Harvest Pipeline Company requests a permit modification to decrease operating throughput from 128,000 to 16,000 barrels of oil per day and to decrease 3 engines operating time from 8760 to 2184 hrs/yr. Public notice is required due to a federally enforceable condition limiting total CO emissions below the major source threshold.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	0.81	0.23	-0.58
SO <sub>2</sub>	0.05	-	-0.05
NO <sub>x</sub>	203.93	54.59	-149.34
CO	85.16	91.87	+6.71
VOC	104.15	4.43	-99.72

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, June 1, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The proposed minor (synthetic) air permit modification and application are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).

An additional copy may be reviewed at Plaquemines Parish Library-Port Sulphur Branch, 139 Delta Street, Port Sulphur, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Doug McCurry, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3112.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmailistrequest@la.gov](mailto:deqmailistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).**

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm)

**All correspondence should specify AI Number 32637, Permit Number 2240-00171-01, and Activity Number PER20100001.**

**Publication date: April 27, 2010**

**BOBBY JINDAL**  
GOVERNOR



**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.:

Activity No.: PER20100001  
Agency Interest No.: 32637

Mr. Michael Schoch  
Environmental Coordinator  
PO Box 61229  
Houston, TX 77208-1229

RE: Permit, Harvest Pipeline Co - Southwest Pass 24 Pipeline Station, Harvest Pipeline Co.  
Venice, Plaquemines Parish, Louisiana

Dear Mr. Schoch:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may email your changes to facupdate@la.gov.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Permit No.: 2240-00171-01

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:dam

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Harvest Pipeline Co - Southwest Pass 24 Pipeline Station  
Agency Interest No.: 32637  
Harvest Pipeline Co  
Venice, Plaquemines Parish, Louisiana**

**I. BACKGROUND**

Harvest Pipeline Co - Southwest Pass 24 Pipeline Station, an existing crude oil pipeline facility, was in operation prior to 1969. The Harvest Pipeline Co - Southwest Pass 24 Pipeline Station previously operated under Permit No. 2240-00171-00 issued July 19, 1996. The Harvest Pipeline Co - Southwest Pass 24 Pipeline Station currently operates under Permit No. 2240-00171-V3, issued July 18, 2006.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated January 6, 2010, were received requesting a permit modification.

**III. DESCRIPTION**

The facility is a pipeline pump station which meters and transports crude oil received from tankage. The station consists of pumps, compressors, meters, two tanks, and associated piping. The primary source of emissions are crude oil pump engines, booster pump engines, two crude oil tanks, three sumps, and fugitive emissions.

In this permit modification, Harvest Pipeline Co proposes to make the following changes:

- Decrease operating throughput from 128,000 to 16,000 barrels of oil per day.
- Delete the compressor engine (COMP1) since it has been removed.
- Delete the storage tank (T-105) since it is out of service.
- Delete the barge loading pump engine and loading facility since they are also out of services.
- Update the emissions for point sources T-103 and T-104 with new crude oil throughput and average vapor pressure of the crude oil.

A decrease in NOx and an increase in CO for Units 2,3 and 4, BP-A, and BP-B, are due to the calculation factors being obtained from AP-42. Previous calculations were obtained from estimates based on stack data obtained from stack tests and conservatively increased 20 percent. Previous data for BP-A and BP-B was based on manufacturer supply data. Public notice is required due to a federally enforceable condition limiting total CO emissions below the major source threshold.

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Harvest Pipeline Co - Southwest Pass 24 Pipeline Station  
Agency Interest No.: 32637  
Harvest Pipeline Co  
Venice, Plaquemines Parish, Louisiana**

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	0.81	0.23	-0.58
SO <sub>2</sub>	0.05	-	-0.05
NO <sub>x</sub>	203.93	54.59	-149.34
CO	85.16	91.87	+6.71
VOC	104.15	4.43	-99.72

**LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's**

Pollutant	Before	After	Change
Benzene	2.04	0.01	-2.03
Toluene	1.55	0.01	-1.54
Ethyl Benzene	0.04	-	-0.04
Xylene	0.79	0.02	-0.77
n-Hexane	9.35	-	-9.35
Formaldehyde	-	0.51	+0.51
Total TAP's	13.77	0.55	-13.22
Other VOC's	90.38	3.88	-86.5

**IV. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations. New Source Performance Standards (NSPS), Prevention of Significant Deterioration (PSD), and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

**V. PUBLIC NOTICE**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2010; and in the <local paper>, <local town>, on <date>, 2010. All comments will be considered prior to the final permit decision.

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Harvest Pipeline Co - Southwest Pass 24 Pipeline Station**  
**Agency Interest No.: 32637**  
**Harvest Pipeline Co**  
**Venice, Plaquemines Parish, Louisiana**

## VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)
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## **VII. GENERAL CONDITION XVII ACTIVITIES**

Work Activity	Schedule	PM <sub>10</sub>	Emission Rates - tons			
			SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Sampling of Oil	500 events/mo.	-	-	-	-	<0.01
Engine shut down and maintenance	3 events/mo.	-	-	-	-	<0.01
Pump preparation and maintenance	100 events/mo.	-	-	-	-	<0.01
Pump preparation and maintenance	50 sections/mo.	-	-	-	-	<0.01
Vessel preparation and maintenance	3 events/yr.	-	-	-	-	<0.01
Filter Replacement	3 events/yr.	-	-	-	-	<0.01
Instrumentation mechanical work	100 instruments/yr.	-	-	-	-	<0.01
Tank/sump service & temporary frac tank usage	3 tanks/yr.	-	-	-	-	<0.01
Shop work on unit equipment	N/A	-	-	-	-	<0.01
Safety inspections on pressure/vacuum vents	24 events/yr.	-	-	-	-	<0.01
Tank gauging	365 events/yr.	-	-	-	-	<0.01
Valve maintenance	100 events/yr.	-	-	-	-	<0.01

**AIR PERMIT BRIEFING SHEET**  
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**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Harvest Pipeline Co - Southwest Pass 24 Pipeline Station**

**Agency Interest No.: 32637**

**Harvest Pipeline Co**

**Venice, Plaquemines Parish, Louisiana**

**VIII. INSIGNIFICANT ACTIVITIES**

ID No.:	Description	Citation
	Lube Oil Drums (55 gallons)	LAC 33:III.501.B.5.A2
	Lube Oil Day Tank (94 gallons)	LAC 33:III.501.B.5.A2
	Antifreeze Day Tank (55 gallons)	LAC 33:III.501.B.5.A2
	Antifreeze Day Tank (241 gallons)	LAC 33:III.501.B.5.A2
	Mineral Spirits Drums (55 gallons)	LAC 33:III.501.B.5.A2
	3-Pig Receiver Basin (61 gallons)	LAC 33:III.501.B.5.A2
	Transformer Oil Container (250 gallons)	LAC 33:III.501.B.5.A2
	2-Catch Crude Basins (15 gallons)	LAC 33:III.501.B.5.A2
106	Sump (1469 gallons)	LAC 33:III.501.B.5.A2
107	Sump (529 gallons)	LAC 33:III.501.B.5.A2
108	Sump (117 gallons)	LAC 33:III.501.B.5.A2

**General Information**

**All ID: 32637 Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station**  
**Activity Number: PER20100001**  
**Permit Number: 2240-00171-01**  
**Air - Minor (Synthetic) Modification**

Also Known As:	ID	Name	User Group	Start Date
	2240-00171	Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station	CDS Number	07-19-1996
	2240-0171	Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station	Historic Emission Inventory System (EIS) ID	03-03-2004
	LAU003992	LPDES #	LPDES Permit #	07-19-1996
Physical Location:		6.9 Mi SW of Head of Passes on Miss River SW Pass E bank 18 Mi S of Venice, LA 70091	Main Phone:	5047263583
Mailing Address:	PO Box 52163	New Orleans, LA 701522163	Phone (Type)	
Location of Front Gate:	29 052486	Latitude, -89.305831 longitude, Coordinate Method: Lat.Long. , DMS, Coordinate Datum: NAD83	Relationship	
Related People:	Name	Mailing Address	Phone (Type)	
	Melissa Reeves	PO Box 2648 TSP 1595 Houston, TX 772522648	7132413583 (WP)	Emission Inventory Contact for
	Melissa Reeves	PO Box 2648 TSP 1595 Houston, TX 772522648	7133121838 (DP)	Emission Inventory Contact for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	MSCHOCH@HILCO	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132892756 (WF)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7133121838 (DP)	Air Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	MSCHOCH@HILCO	Air Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132892756 (WF)	Air Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Air Permit Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132892750 (WF)	Air Billing Party for
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132092416 (WP)	Air Billing Party for
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132892750 (WF)	Emission Inventory Billing Party
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132092416 (WP)	Owns
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132892750 (WF)	Operates
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132092416 (WP)	Operates
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132892750 (WF)	Owns
	Harvest Pipeline Co	1201 Louisiana St Ste 1400 Houston, TX 77002	7132092416 (WP)	Emission Inventory Billing Party

48610, Pipeline Transportation of Crude Oil

NAIC Codes:

**General Information**

**AID: 32637 Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station**

Activity Number: PER2010001

Permit Number: 2240-00171-01

**Air - Minor (Synthetic) Modification**

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station  
 Activity Number: PER2010001  
 Permit Number: 2240-00171-01  
 Air - Minor (Synthetic) Modification

Subject Item Inventory:	ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station</b>							
<b>EQT 0001 Unit 2 - 738 hp Waukesha Crude Oil Pump Engine</b>							
EQT 0002	Unit 3 - 738 hp Waukesha Crude Oil Pump Engine		738 horsepower	5.54 MM BTU/hr	5.54 MM BTU/hr		2184 hr/yr
EQT 0003	Unit 4 - 900 hp White-Superior Crude Oil Pump Engine		900 horsepower	6.75 MM BTU/hr	6.75 MM BTU/hr		2184 hr/yr
EQT 0004	BP-A - 150 hp Waukesha Booster Pump Engine		150 horsepower	1.13 MM BTU/hr	1.13 MM BTU/hr		4380 hr/yr
EQT 0005	BP-B - 150 hp Waukesha Booster Pump Engine		150 horsepower	1.13 MM BTU/hr	1.13 MM BTU/hr		4380 hr/yr
EQT 0007	T-103 - 54,000 bbl Crude Oil Storage Tank	54,000 bbl	8000 bbl/day	8000 bbl/day	Crude Oil		8760 hr/yr
EQT 0008	T-104 - 54,000 bbl Crude Oil Storage Tank	54,000 bbl	8000 bbl/day	8000 bbl/day	Crude Oil		8760 hr/yr
EQT 0010	106 - 1469 gals Sump	1469 gallons	5 bbl/day	5 bbl/day			8760 hr/yr
EQT 0011	107 - 529 gals Sump	529 gallons	2 bbl/day	2 bbl/day			8760 hr/yr
EQT 0012	108 - 117 gals Sump	117 gallons	4 bbl/day	4 bbl/day			8760 hr/yr
FUG 0001	FE-1 - Fugitive Emissions		Not applicable	Not applicable			8760 hr/yr

Stack Information:	ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station</b>								
<b>EQT 0001 Unit 2 - 738 hp Waukesha Crude Oil Pump Engine</b>								
EQT 0002	Unit 3 - 738 hp Waukesha Crude Oil Pump Engine		51.35	2420	1	1	17	900
EQT 0003	Unit 4 - 900 hp White-Superior Crude Oil Pump Engine		51.35	2420	1	1	17	900
EQT 0004	BP-A - 150 hp Waukesha Booster Pump Engine		45.74	2951		1.17	18	900
EQT 0005	BP-B - 150 hp Waukesha Booster Pump Engine		54.81	456	.42		15	800
EQT 0007	T-103 - 54,000 bbl Crude Oil Storage Tank		54.81	456	.42		15	800
EQT 0008	T-104 - 54,000 bbl Crude Oil Storage Tank					3.27	40	70
EQT 0010	106 - 1469 gals Sump					3.27	40	70
EQT 0011	107 - 529 gals Sump					1.33	5	70
EQT 0012	108 - 117 gals Sump					1.33	5	70
FUG 0001	FE-1 - Fugitive Emissions						5	81

Relationships:

Subject Item Groups:	Group Type
ID	Unit or Facility Wide
UNF 0001	Facility - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station

Group Description
Facility - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station

**INVENTORIES**

AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station

Activity Number: PER2010001

Permit Number: 2240-00171-01

Air - Minor (Synthetic) Modification

**Group Membership:**

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
1362	1362 Crude Oil Pipeline - Facility with Less than 100,000 BBLS Storage Capacity (Rated Capacity)		

**SIC Codes:**

4612	Crude petroleum pipelines	AI 32637
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station  
 Activity Number: PER2010001  
 Permit Number: 2240-00171-01  
 Air - Minor (Synthetic) Modification

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station</b>															
EQT 0001 Unit 2	20.86	20.86	22.78	12.40	12.40	13.54	0.05	0.05	0.06	<0.01	<0.01	<0.01	0.17	0.17	0.18
EQT 0002 Unit 3	20.86	20.86	22.78	12.40	12.40	13.54	0.05	0.05	0.06	<0.01	<0.01	<0.01	0.17	0.17	0.18
EQT 0003 Unit 4	25.44	25.44	27.79	15.12	15.12	16.51	0.06	0.06	0.07	<0.01	<0.01	<0.01	0.20	0.20	0.22
EQT 0004 BP-A	4.24	4.24	9.26	2.52	2.52	5.50	0.01	0.01	0.02	<0.01	<0.01	<0.01	0.03	0.03	0.07
EQT 0005 BP-B	4.24	4.24	9.26	2.52	2.52	5.50	0.01	0.01	0.02	<0.01	<0.01	<0.01	0.03	0.03	0.07
EQT 0007 T-103													0.38	0.38	1.65
EQT 0008 T-104													0.38	0.38	1.65
EQT 0010 106													0.02	0.02	0.07
EQT 0011 107													0.01	0.01	0.03
EQT 0012 108													<0.01	<0.01	0.02
FUG 0001 FE-1													0.07	0.09	0.29

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station

Activity Number: PER20100001

Permit Number: 2240-00171-01

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 Unit 2	Formaldehyde	0.11	0.11	0.13
EQT 0002 Unit 3	Formaldehyde	0.11	0.11	0.13
EQT 0003 Unit 4	Formaldehyde	0.14	0.14	0.15
EQT 0004 BP-A	Formaldehyde	0.02	0.02	0.05
EQT 0005 BP-B	Formaldehyde	0.02	0.02	0.05
EQT 0007 T-103	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0008 T-104	Benzene	<0.01	<0.01	<0.01
	Ethyl benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	0.01
FUG 0001 FE-1	Benzene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	Xylene (mixed isomers)	<0.01	<0.01	<0.01
UNF 0001 Facility	Benzene			0.01
	Ethyl benzene			<0.01
	Formaldehyde			0.51
	Toluene			0.01
	Xylene (mixed isomers)			0.02
	n-Hexane			<0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS****AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station****Activity Number: PER20100001****Permit Number: 2240-00171-01****Air - Minor (Synthetic) Modification****EQT 0001 Unit 2 - 738 hp Waukesha Crude Oil Pump Engine**

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during annual testing.  
Submit emissions test results to the Office of Environmental Assessment.
- 2 [LAC 33:III.1311.C]
- 3 [LAC 33:III.501.C.6]
- 4 [LAC 33:III.501.C.6]
- 5 [LAC 33:III.501.C.6]
- 6 [LAC 33:III.501.C.6]
- 7 [LAC 33:III.507.H.1.a]
- 8 [LAC 33:III.507.H.1.a]
- 9 [LAC 33:III.1101.B]
- 10 [LAC 33:III.1311.C]
- 11 [LAC 33:III.501.C.6]
- 12 [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified  
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.  
Equipment/operational data monitored by technically sound method continuously.  
Which Months: All Year Statistical Basis: None specified  
Equipment/operational data recordkeeping by electronic or hard copy monthly. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
Which Months: All Year Statistical Basis: None specified  
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.  
Equipment/operational data monitored by technically sound method continuously.  
Which Months: All Year Statistical Basis: None specified  
Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total heat input each month, as well as the total heat input for the last twelve months. Make records available for inspection by DEQ personnel.

**EQT 0002 Unit 3 - 738 hp Waukesha Crude Oil Pump Engine**

- 13 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: Six-minute average  
Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.  
Equipment/operational data <= 12230.4 MM BTU/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS****AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station****Activity Number: PER2010001****Permit Number: 2240-00171-01****Air - Minor (Synthetic) Modification****EQT 0002 Unit 3 - 738 hp Waukesha Crude Oil Pump Engine**

- 13 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.
- 14 [LAC 33:III.501.C.6] Environmental Technology Division, Engineering Services. Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NO<sub>x</sub>, CO and O<sub>2</sub> concentrations in the stack gas obtained during annual testing.
- 15 [LAC 33:III.507.H.1.a] Equipment/operational data monitored by technically sound method continuously.
- 16 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total heat input each month, as well as the total heat input for the last twelve months. Make records available for inspection by DEQ personnel.

**EQT 0003 Unit 4 - 900 hp White-Superior Crude Oil Pump Engine**

- 17 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 18 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
- 19 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Six-minute average Equipment/operational data <= 14851.2 MM BTU/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 20 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NO<sub>x</sub>, CO and O<sub>2</sub> concentrations in the stack gas obtained during annual testing.
- 21 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.
- 22 [LAC 33:III.501.C.6] Environmental Technology Division, Engineering Services. Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 23 [LAC 33:III.507.H.1.a] Equipment/operational data monitored by technically sound method continuously.
- 24 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total heat input each month, as well as the total heat input for the last twelve months. Make records available for inspection by DEQ personnel.

**EQT 0004 BP-A - 150 hp Waukesha Booster Pump Engine**

- 25 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: Six-minute average

**SPECIFIC REQUIREMENTS**

AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station

Activity Number: PER20100001

Permit Number: 2240-00171-01

Air - Minor (Synthetic) Modification

**EQT 0004 BP-A - 150 hp Waukesha Booster Pump Engine**

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Equipment/operational data <= 4804.8 MM BTU/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

**EQT 0005 BP-B - 150 hp Waukesha Booster Pump Engine**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C, LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data <= 4804.8 MM BTU/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

**FUG 0001 FE-1 - Fugitive Emissions**

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**UNF 0001 Facility - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station**

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111

or intensify an existing traffic hazard condition are prohibited.

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

**SPECIFIC REQUIREMENTS****AI ID: 32637 - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station**

Activity Number: PER2010001

Permit Number: 2240-00171-01

**Air - Minor (Synthetic) Modification****UNF 001 Facility - Shell Pipeline Co LP - Southwest Pass 24 Pipeline Station**

- 35 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 36 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 37 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 38 [LAC 33:III.537] Comply with the Louisiana General Conditions as set forth in LAC 33:III.537.
- 39 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 40 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.